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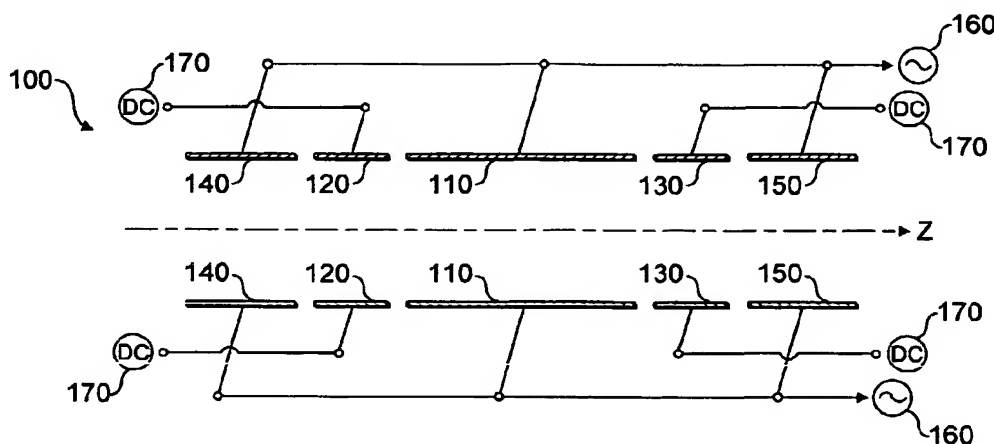
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(54) Title: MEASURING CELL FOR ION CYCLOTRON RESONANCE SPECTROMETER



(57) Abstract: This invention relates to a measuring cell for an Ion Cyclotron Resonance (ICR) spectrometer. The present invention provides a measurement cell for an FTMS spectrometer, comprising an excitation electrode arrangement positioned about a longitudinal axis which extends in a direction generally parallel to the field direction of an applied homogeneous magnetic field; and a trapping-electrode arrangement, also positioned about the said longitudinal axis, for trapping ions longitudinally in the cell within a trapping region defined by the trapping electrode arrangement; wherein at least a part of the excitation electrode arrangement extends axially outwardly of the trapping region defined by the trapping electrode arrangement.